

GP 3748
JULY 2001

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TRANSMITTAL FORM

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		Application Number	09/708,863
		Filing Date	11/8/2000
		First Named Inventor	CHRISTOPHER L. AARDAHL ET AL.
		Group Art Unit	3748
		Examiner Name	
Total Number of Pages in This Submission		Attorney Docket Number	00-508

ENCLOSURES (check all that apply)

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<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	John W. Morrison, Registration No. 44,245
Signature	
Date	February 6, 2001

CERTIFICATE OF MAILING

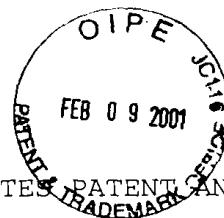
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION



In re Application of) Group Art Unit: 3748
)
CHRISTOPHER L. AARDAHL, ET AL.)
)
Application Number: 09/708,863)
)
Filed: November 8, 2000)
)
Title: METHOD AND SYSTEM FOR THE)
 COMBINATION OF NON-THERMAL)
 PLASMA AND METAL/METAL)
 OXIDE DOPED Y-ALUMINA)
 CATALYSTS FOR DIESEL ENGINE)
 EXHAUST AFTERTREATMENT)
 SYSTEM)
)
Attorney Docket No.: 00-508)

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Peoria, Illinois 61629-6490

February 6, 2001

Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

The following information and attached material are submitted for the Examiner's consideration relative to one or more of the claims in the above-identified application. A PTO 1449 (SB08) form and a copy, if required, of each item listed thereon are attached.

Respectfully submitted,


John W. Morrison
Registration No. 44,245
Caterpillar Inc.

Telephone: (309) 494-1815
JWM:vlm
Enc.

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PTO/SB/08A (10-96)

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<p><i>JC15</i></p> <p><i>TM TRADEMARK CAPTURE</i></p>			
<p>Complete if Known</p>			
		Application Number	09/708,863
		Filing Date	11/8/2000
		First Named Inventor	Christopher L. Aardahl Et Al.
		Group Art Unit	3748
		Examiner Name	
		Attorney Docket Number	00-508
Sheet	1	of	2

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(use as many sheets as necessary)</small>		Application Number 09/708,863 Filing Date 11/8/2000 First Named Inventor Christopher L. Aardahl ET AL. Group Art Unit 3748 Examiner Name _____ Attorney Docket Number 00-508	
Sheet	2	of	2

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
✓	"Promotive Effect of Sn on the Catalytic Activity of Al2O3 for the Selective Reduction of NO by Methanol", Tabata et al., Catalysis Letters 25 (1994), pgs. 55-60, J. C. Baltzer AG, Science Publishers		
✓	"Ga2O3/Al2O3 Prepared by Sol-Gel Method as a Highly Active Metal Oxide-Based Catalyst for NO Reduction by Propene in the Presence of Oxygen, H2O and SO2", Haneda et al., Chemistry Letters 1998, pgs. 181-182, Chemistry Letters 1998, The Chemical Society of Japan, 1998		
✓	"Lean NOx Catalysis over Sn/y-Al2O3 Catalysts", Kung et al., Journal of Catalysis 181, 1999, pgs 1-5, Academic Press, 1999		
✓	"Influence of local structure on the catalytic activity of gallium oxide for the selective reduction of NO by CH4", Shimizu et al., pgs. 1827-1828, Chem. Commun., 1996		
✓	"Activity enhancement of SnO2-doped Ga2O3-Al2O3 catalysts by coexisting H2O for the selective reduction of NO with propene", Haneda et al., Applied Catalysis B: Environmental 20 1999, pgs. 289-300, Elsevier Science B.V. 1999		
✓	"Selective Reduction of Nitrogen Monoxide with Hydrocarbons over SnO2 Catalyst", Teraoka et al., Chemistry Letters 1993, pgs 773-776, The Chemical Society of Japan, 1993		
✓	"Alumina-supported Catalysts for the Selective Reduction of Nitric Oxide by Propene", Miyadera et al., Chemistry Letters 1993, pgs 1483-1486, The Chemical Society of Japan 1993		
✓	"Characterization of SnO2/Al2O3 Lean NOx Catalysts", Park et al., Journal of Catalysis 184, 1999, pgs 440-454, Academic Press 1999		
✓	"Enhanced activity of In and Ga-supported sol-gel alumina catalysts for NO reduction by hydrocarbons in lean conditions", Applied Catalysis B: Environmental 15 1998, pgs 291-304, Elsevier Science B.V. 1998		
✓	"Plasma-Enhanced Catalytic Reduction of NOx in Simulated Lean Exhaust", Aardahl et al., Society of Automotive Engineers, Inc. 2000		TC RECEIVED 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 229 230 231 232 233 234 235 236 237 238 239 239 240 241 242 243 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